

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	BRS	L1	10303	(428/687 or 428/577 or 29/90.01 or 29/90.7 or 451/36 or 451/38 or 451/39 or 451/40 or 451/51 or 451/59 or 451/60 or 451/61 or 451/75 or 451/76 or 451/80 or 451/89 or 451/364 or 451/365 or 451/366).ccls.	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:23	
2	BRS	L2	6	1 and (continuous or adjacent) ADJ (dimples or depressions or indentations)	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:31	
3	BRS	L3	260	1 and surface WITH treatment WITH (method or methods)	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:33	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
4	BRS	L4	50	3 and (collision or colliding or collide or abading or abraded or abrade)	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:34	
5	BRS	L5	4	4 and (polyhedral or spherical or round) WITH (material or materials or abradants or abradents)	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:44	
6	BRS	L6	318	1 and (apparatus or machine or device) and (fixing or holding or securing) and (oscillating or oscillation or vibrating or vibratory)	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:46	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
7	BRS	L7	14	6 and enclosed WITH (space or volume or area)	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 0 19:55	

	U	1	Document ID	Issue Date	Pages	Title
1			US 5354581 A	19941011	11	Surface treatment of sheet- or plate-like blanks
2			US 5062021 A	19911029	10	Selectively textured magnetic recording media
3			US 3763602 A	19731009	4	METHOD OF FINISHING FLAT SURFACES
4			US 3656333 A	19720418	5	CYLINDRICAL SURFACE FINISHING TOOL
5			US 2958925 A	19601108	4	Shot peen inspection technique
6			US 2422431 A	19470617	4	Method of making piston rings

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3
1	427/299	427/322; 427/327; 451/55; 451/59; 72/187; 72/197; 72/198		Laube; Hans-Jurgen	X				
2	360/135	428/579; 428/612; 428/652; 428/687; 428/694TR; 428/900; 428/928		Ranjan; Rajiv Y. et al.	X				
3	451/36	451/37; 451/38; 451/55; 451/57; 451/67; 72/53		Boettcher; Stephen A.	X				
4	72/122	29/90.01; 72/393		Kruse, Jr.; Clemens A.	X				
5	29/90.7	29/90.01; 72/53		ROBERTS JAMES G	X				
6	451/38	29/609; 29/888.071; 29/90.01; 29/DIG.36; 451/51		MELROSE ADOLPH E	X				

	<b>4</b>	<b>5</b>	<b>Image Doc. Displayed</b>	<b>PT</b>
1			US 5354581	
2			US 5062021	
3			US 3763602	
4			US 3656333	
5			US 2958925	
6			US 2422431	

	U	1	Document ID	Issue Date	Pages	Title
1			US 6790294 B1	20040914	25	Spring with excellent fatigue endurance property and surface treatment method for producing the spring
2			US 6194048 B1	20010227	15	Magnetic recording disk
3		X	US 4797327 A	19890110	21	Surface treated metal member, preparation method thereof and photoconductive member by use thereof
4			US 3423880 A	19690128	7	SURFACE-TREATING DEVICE

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	
1	148/212	148/228; 29/90.7		Ishida; Masaaki et al.	X					
2	428/65.4	427/129; 427/131; 427/132; 428/337; 428/600; 428/611; 428/65.5; 428/65.6; 428/65.8; 428/650; 428/680; 428/687; 428/694BP; 428/694BR; 428/694SG; 428/694TC; 428/694TR; 428/694TS; 428/695; 428/704; 428/900			Hatakeyama; Masahiro et al.	X				
3	428/600	428/687; 428/925		Honda; Mitsuru et al.	X					
4	451/36	241/1; 451/113		HERSHLER ABE	X					

	4	5	Image Doc. Displayed	PT
1			US 6790294	
2			US 6194048	
3			US 4797327	
4			US 3423880	

	U	1	Document ID	Issue Date	Pages	Title
1			US 6646455 B2	20031111	31	Test probe for semiconductor devices, method of manufacturing of the same, and member for removing foreign matter
2			US 6413873 B1	20020702	20	System for chemical mechanical planarization
3			US 6315648 B1	20011113	85	Apparatus for pressure treating a surface
4			US 6149506 A	20001121	93	Lapping apparatus and method for high speed lapping with a rotatable abrasive platen
5			US 6102777 A	20000815	72	Lapping apparatus and method for high speed lapping with a rotatable abrasive platen
6			US 6102157 A	20000815	23	Self-contained staging system for cleaning and painting bulk cargo holds
7			US 5267417 A	19931207	18	Method and apparatus for removing outer coatings from pipe
8			US 5199226 A	19930406	20	Method and apparatus for removing outer coatings from pipe
9			US 5127198 A	19920707	18	Method to process a steering wheel and a processing device of a steering wheel

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3
1	324/754	324/158.1; 451/41; 451/59		Maekawa; Shigeki et al.	X				
2	438/711	438/691; 438/692; 438/693; 438/745; 451/178; 451/286; 451/36; 451/49; 451/51		Li; Shijian et al.	X				
3	451/92	451/75		Neer; Dana L.	X				
4	451/59	451/178; 451/285; 451/286; 451/36		Duescher; Wayne O.	X				
5	451/36	451/262; 451/288; 451/59		Duescher; Wayne O. et al.	X				
6	182/128	182/141; 451/75		Goldbach; Richard A. et al.	X				
7	451/38	451/51; 451/89; 451/91		Rose; James L.	X				
8	451/36	118/305; 118/313; 118/323; 118/DIG.11; 15/104.04; 451/88; 451/89		Rose; James L.	X				
9	451/82	451/53; 451/67; 451/75; 451/87; 451/89		Nakayama; Akinori et al.	X				

	4	5	Image Doc. Displayed	PT
1			US 6646455	
2			US 6413873	
3			US 6315648	
4			US 6149506	
5			US 6102777	
6			US 6102157	
7			US 5267417	
8			US 5199226	
9			US 5127198	

	U	1	Document ID	Issue Date	Pages	Title
10			US 5107633 A	19920428	17	Method and apparatus for cleaning pipe
11			US 5056271 A	19911015	10	Method for cleaning pipe
12		X	US 2777256 A	19570115	13	Apparatus for graining surfaces
13			US 2629207 A	19530224	11	Plate blasting machine
14			US 2580716 A	19520101	12	Method and means for removing material from a solid body

	Current OR	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3
10	451/92	451/76; 451/87; 451/89; 451/94		Rose; James L.	X				
11	451/38	451/92		Rose; James L.	X				
12	451/81	451/102; 451/87; 451/89		PAASCHE JENS A	X				
13	451/82	451/385; 451/89		GLADFELTER WILTIE I et al.	X				
14	451/36	219/69.2; 29/DIG.46; 310/26; 451/165; 451/910; 451/913; 470/209; 74/1SS; 82/904; 968/686; 968/DIG.1		LEWIS BALAMUTH	X				

	4	5	Image Doc. Displayed	PT
10			US 5107633	
11			US 5056271	
12			US 2777256	
13			US 2629207	
14			US 2580716	

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	2	("5300259") .PN.	US- PGPUB ; USPAT ; USOCR ; EPO; JPO; DERWE NT; IBM_T DB	2005/04/2 1 11:03	

Day : Wednesday

Date: 4/20/2005

Time: 19:11:11

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = KAWASHIMA

First Name = SHIRO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#"><u>10198080</u></a>	Not Issued	160	07/19/2002	HOLLOW CAST METAL AND MANUFACTURING METHOD THEREOF, METHOD FOR SMOOTHING INNER SURFACE OF HOLLOW CAST METAL AND APPARATUS THEREFOR	KAWASHIMA, SHIRO
<a href="#"><u>10270181</u></a>	Not Issued	161	10/15/2002	HOLLOW CASTING AND MANUFACTURING METHOD THEREFOR, AND METHOD AND APPARATUS FOR SMOOTHING INTERNAL SURFACE OF HOLLOW CASTING	KAWASHIMA, SHIRO
<a href="#"><u>10606282</u></a>	Not Issued	030	06/26/2003	SURFACE-TREATED PRODUCT, SURFACE-TREATMENT METHOD, AND SURFACE-TREATMENT APPARATUS	KAWASHIMA, SHIRO

Inventor Search Completed: No Records to Display.

**Search Another: Inventor****Last Name**

Kawashima

**First Name**

Shiro

**Search**

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

Day : Wednesday

Date: 4/20/2005

Time: 19:12:03

**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = AKAHORI

First Name = HIROMI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#"><u>08625920</u></a>	Not Issued	166	04/01/1996	SILVER HALIDE PHOTOGRAPHIC LIGHT-SENSITIVE MATERIAL AND A MANUFACTURING METHOD OF A SILVER HALIDE EMULSION	AKAHORI, HIROMI
<a href="#"><u>08939234</u></a>	Not Issued	161	09/29/1997	SILVER HALIDE AND A METHOD OF A SILVER HALIDE EMULSION	AKAHORI, HIROMI
<a href="#"><u>10198080</u></a>	Not Issued	160	07/19/2002	HOLLOW CAST METAL AND MANUFACTURING METHOD THEREOF, METHOD FOR SMOOTHING INNER SURFACE OF HOLLOW CAST METAL AND APPARATUS THEREFOR	AKAHORI, HIROMI
<a href="#"><u>10270181</u></a>	Not Issued	161	10/15/2002	HOLLOW CASTING AND MANUFACTURING METHOD THEREFOR, AND METHOD AND APPARATUS FOR SMOOTHING INTERNAL SURFACE OF HOLLOW CASTING	AKAHORI, HIROMI
<a href="#"><u>10606282</u></a>	Not Issued	030	06/26/2003	SURFACE-TREATED PRODUCT, SURFACE-TREATMENT METHOD, AND SURFACE-TREATMENT APPARATUS	AKAHORI, HIROMI
<a href="#"><u>08381478</u></a>	Not Issued	172	01/31/1995	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI
<a href="#"><u>08535025</u></a>	Not Issued	172	01/02/1996	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI
<a href="#"><u>08592007</u></a>	Not Issued	180	01/26/1996	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI

<u>08592017</u>	Not Issued	166	01/26/1996	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI
<u>08592027</u>	Not Issued	172	01/26/1996	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI
<u>08592131</u>	Not Issued	172	01/26/1996	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI
<u>08964039</u>	Not Issued	180	11/04/1997	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI
<u>08964039</u>	Not Issued	180	11/04/1997	PROTEIN HAVING TPO ACTIVITY	AKAHORI, HIROMICHI

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name

First Name

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

Day : Wednesday

Date: 4/20/2005  
Time: 19:13:26**PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = SUZUKI

First Name = MATUO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10198080</a>	Not Issued	160	07/19/2002	HOLLOW CAST METAL AND MANUFACTURING METHOD THEREOF, METHOD FOR SMOOTHING INNER SURFACE OF HOLLOW CAST METAL AND APPARATUS THEREFOR	SUZUKI, MATUO
<a href="#">10270181</a>	Not Issued	161	10/15/2002	HOLLOW CASTING AND MANUFACTURING METHOD THEREFOR, AND METHOD AND APPARATUS FOR SMOOTHING INTERNAL SURFACE OF HOLLOW CASTING	SUZUKI, MATUO
<a href="#">10606282</a>	Not Issued	030	06/26/2003	SURFACE-TREATED PRODUCT, SURFACE-TREATMENT METHOD, AND SURFACE-TREATMENT APPARATUS	SUZUKI, MATUO

Inventor Search Completed: No Records to Display.

**Search Another: Inventor****Last Name****First Name**

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

Day : Wednesday

Date: 4/20/2005

Time: 19:14:58

 PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = HIRAHARA

First Name = HIDEKATU

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10606282	Not Issued	030	06/26/2003	SURFACE-TREATED PRODUCT, SURFACE-TREATMENT METHOD, AND SURFACE-TREATMENT APPARATUS	HIRAHARA, HIDEKATU

Inventor Search Completed: No Records to Display.

<b>Search Another: Inventor</b>	<b>Last Name</b>	<b>First Name</b>
	<input type="text" value="Hirahara"/>	<input type="text" value="Hidekatu"/>
		<input type="button" value="Search"/>

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page

Day : Wednesday

Date: 4/20/2005  
Time: 19:15:26 PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = YAMAMOTO

First Name = ATURO

Application#	Patent#	Status	Date Filed	Title	Inventor Name
10606282	Not Issued	030	06/26/2003	SURFACE-TREATED PRODUCT, SURFACE-TREATMENT METHOD, AND SURFACE-TREATMENT APPARATUS	YAMAMOTO, ATURO

Inventor Search Completed: No Records to Display.

<b>Search Another: Inventor</b>	<b>Last Name</b>	<b>First Name</b>
	<input type="text" value="Yamamoto"/>	<input type="text" value="Aturo"/>
		<input type="button" value="Search"/>

To go back use Back button on your browser toolbar.

Back to [PALM | ASSIGNMENT | OASIS | Home page](#)

Day : Wednesday

Date: 4/20/2005  
Time: 19:16:23 PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = KAWAMORI

First Name = KATUYA

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">10606282</a>	Not Issued	030	06/26/2003	SURFACE-TREATED PRODUCT, SURFACE-TREATMENT METHOD, AND SURFACE-TREATMENT APPARATUS	KAWAMORI, KATUYA

Inventor Search Completed: No Records to Display.

Search Another: Inventor

Last Name	First Name
<input type="text" value="Kawamori"/>	<input type="text" value="Katuya"/>
<input type="button" value="Search"/>	

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | Home page